SEARCH REQUEST FORM
Scientific and Technical Information Center

Requester's Full Name: _PHAN, TAM T._ Examiner# : _79910_ Date: _03/11_

Art Unit: _214A_ Phone Number: _305-4665_ Serial Number: _09/65402_ _695402_

Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): (Paper) Disk 1

If more than one search is submitted, please prioritize searches in order of need.
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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _NETWORK TRAFFIC ANALYZER_

Inventors (please provide full names): _HOWARD W. FIGERHUT, JEFFREY D. KASHIN, BRIAN D. KING_

Earliest Priority Filing Date: _OCTOBER 25, 2000_

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Summary:
A system for monitoring a packet-switched (any) network having a server connected to a network control center. The server is operable collect, store, and update traffic logs (specifically histogram flat files) generated by the network over a period of time (specifically over at least 24 hours period of time). Each traffic log including the time the traffic log was created, the addresses of the packet sender, packet recipient, and is update using the time of the creation. The server is also operable to determine the time of creation of the traffic log, the network host, the network entry (network starting node), and the exit points (ending node). The server create histogram plots (plot bytes per second vs. time and packets per minute vs. time) for incoming network traffic and outgoing traffic network.

history, track packet from any → exit into/out of network (node) where, route, when (time)

Keywords: _bar chart_
traffic log   (histogram file/plot)   flat file network (entry/exit)   network (starting/ending) node   network node/host
(predetermined period)   mobitex network   (24 hour period)   minute vs. time   update histogramstate
information   network control center   network path   (creation time)   traffic log database
mobitex network   packet state information network path   bytes per second vs. time
addresses of packet sender/recipient

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L Number	Hits	Search Text	DB	Time stamp
–	1658	709/224.ccls.	USPAT	2004/04/01 12:37
–	584	709/224.ccls. and log	USPAT	2004/03/10 16:28
–	191	709/224.ccls. and log and (histogram or frequency)	USPAT	2004/03/10 16:28
–	19	709/224.ccls. and log and histogram	USPAT	2004/03/10 16:46
–	0	6704782.URPN.	USPAT	2004/03/10 16:37
–	33	("4523206" | "4697266" | "5367643" | "5446874" | "5448230" | "5455934" | "5457683" | "5542047" | "5566306" | "5572678" | "5586256" | "5590124" | "5680602" | "5701482" | "5724516" | "5745783" | "5754763" | "5778224" | "5781735" | "5799323" | "5805920" | "5819083" | "5842212" | "5905868" | "5964839" | "5978845" | "6070190" | "6108782" | "6118783" | "6141785" | "6175874" | "6415333" | "6434115").PN.	USPAT	2004/03/10 16:37
–	39	network adj traffic adj analyz$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 11:01
–	19	network adj traffic adj analyz$3 and (histogram or frequency or statisti$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 16:47
–	14	network adj traffic adj analyzer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 16:53
–	0	network adj traffic adj analyzer and histogram	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 16:54
–	1	traffic adj log and histogram	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 16:54
–	791	creat$3 adj histogram	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 16:55
–	146	creat$3 adj histogram and log	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 16:55
–	80	creat$3 adj histogram and log and network	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 16:56
–	28	creat$3 adj histogram and log and network and traffic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:09

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-	48	traffic adj log	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:15
-	1	traffic adj log and histogram	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:15
-	26	histogram adj file	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:16
-	10	histogram adj file and log	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:18
-	2	histogram same (flat adj file)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:25
-	628	network adj control adj center	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:26
-	1	network adj control adj center and (traffic near log)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:27
-	115	network adj control adj center and log	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:27
-	63	network adj control adj center and log and host	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:28
-	53	network adj control adj center and log and host and node	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:33
-	5	(network adj control adj center) and ((histogram or statistic$5 or frequency) near log)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:34
-	815	((histogram or statistic$5 or frequency) near log)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:34
-	457	((histogram or statistic$5 or frequency) near log) and monitor$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:34
-	174	((histogram or statistic$5 or frequency) near log) and monitor$ and host	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:35

-	40	((histogram or statistic$5 or frequency) near log) and monitor$ and host and (traffic near network)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/10 17:35
-	1346	709/223.ccls.	USPAT	2004/03/11 10:30
-	452	709/223.ccls. and log	USPAT	2004/03/11 10:31
-	1	("6502131").PN.	USPAT	2004/03/22 09:46
-	9	6502131.URPN.	USPAT	2004/03/22 09:47
-	5	("5049873" | "5521907" | "5615323" | "5664105" | "5867483").PN.	USPAT	2004/03/22 09:52
-	22	5867483.URPN.	USPAT	2004/03/22 09:55
-	10	("5365514" | "5446874" | "5493689" | "5519689" | "5521907" | "5583792" | "5615323" | "5664105" | "5867483" | "6097722").PN.	USPAT	2004/03/22 09:56
-	0	6578077.URPN.	USPAT	2004/03/22 09:56
-	6	6219050.URPN.	USPAT	2004/03/22 10:00
-	9	("5740355" | "5787253" | "5802302" | "5862335" | "5946302" | "6182146" | "6219050" | "6233256" | "6240452").PN.	USPAT	2004/03/22 13:42
-	25	mobitex adj network and log	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 13:46
-	52	mobitex adj network and monitor$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 13:46
-	8	mobitex adj network and monitor$3 and statistics	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 13:47
-	75	mobitex adj network	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:11
-	4	mobitex and histogram	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:12
-	155	mobitex and traffic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:12
-	120	mobitex and traffic and monitor$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:12
-	87	mobitex and traffic and monitor$3 and log$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:12

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-	45	mobitex and traffic and monitor$3 and log$3 and statistic$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:14
-	45	mobitex and traffic and monitor$3 and log$3 and statistic$3 and (stor$ or updat$3 or creat$3 or delet$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:14
-	31	mobitex and traffic and monitor$3 and log$3 and statistic$3 and (stor$ or updat$3 or creat$3 or delet$3) and frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:15
-	31	mobitex and traffic and monitor$3 and log$3 and statistic$3 and (stor$ or updat$3 or creat$3 or delet$3) and frequency and time	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:15
-	29	mobitex and traffic and monitor$3 and log$3 and statistic$3 and (stor$ or updat$3 or creat$3 or delet$3) and frequency and time and period	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:15
-	5	mobitex and traffic and monitor$3 and log$3 and statistic$3 and (stor$ or updat$3 or creat$3 or delet$3) and frequency and time and period	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:18
-	23	("5564070" | "5583859" | "5590122" | "5689505" | "5742592" | "5754774" | "5771353" | "5781549" | "5828843" | "5862345" | "5949799" | "6160793" | "6192029" | "6233577" | "6246684" | "6247048" | "6252884" | "6331983" | "6389465" | "6477577" | "6490617" | "6529882" | "6539019").PN.	USPAT	2004/03/22 14:16
-	11	mobitex and traffic and monitor$3 and log$3 and statistic$3 and (stor$ or updat$3 or creat$3 or delet$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 12:25
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-	28440	((("6502131").PN.) or one) adj day	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:20
-	4468	((("6502131").PN.) or one) adj day same period	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:21
-	30	((("6502131").PN.) or one) adj day same period and (network near traffic)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:21
-	27	((("6502131").PN.) or one) adj day same period and (network near traffic) and monitor$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/22 14:21
-	5	("5101402" | "5634009" | "5886643" | "5898837" | "6047321").PN.	USPAT	2004/03/22 14:27
-	11	("5101402" | "5539659" | "5596722" | "5634009" | "5724263" | "5841981" | "5870556" | "5887136" | "5966509" | "5968132" | "6014727").PN.	USPAT	2004/03/22 14:53

-	2	4855941.URPN.	USPAT	2004/03/22 14:56
-	1	("5251152").PN.	USPAT	2004/03/22 16:38
-	49	5251152.URPN.	USPAT	2004/03/22 16:39
-	3	(("4775973") or ("5251152") or ("5446874")).PN.	USPAT	2004/03/23 10:32
-	15239	time near creat$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 11:02
-	4	time near creat$4 near traffic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 11:05
-	152	(stor$3 adj log) and (updat$3 adj log)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 11:05
-	5	(stor$3 adj log) and (updat$3 adj log) same traffic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 11:07
-	43	(stor$3 adj log) and (updat$3 adj log) and frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 11:08
-	12	(stor$3 adj log) and (updat$3 adj log) and frequency and statistic$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 11:10
-	4	(stor$3 adj log) and (updat$3 adj log) and (flat near file)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 11:11
-	0	delet$3 adj traffic adj log	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 12:26
-	157	delet$3 adj log	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 12:26
-	22	delet$3 adj log and network and traffic	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 12:26
-	33	6108782.URPN.	USPAT	2004/03/23 13:19
-	1	("6510557").PN.	USPAT	2004/04/01 12:37
-	6	(("6219050") or ("5867483") or ("6108782") or ("6502131") or ("6327620") or ("6704782")).PN.	USPAT	2004/04/01 17:58
-	0	asp and database and (architecture adj tier)	USPAT	2004/04/01 17:59
-	130	asp and database and tier	USPAT	2004/04/01 17:59
-	91	asp and database and tier and architecture	USPAT	2004/04/01 17:59
-	47	asp and database and (tier near architecture)	USPAT	2004/04/01 17:59
-	10	"6502131"	USPAT	2004/04/01 18:30

-	2	(("6502131") or ("6704782")).PN.	USPAT	2004/04/01 18:40
-	1282	(709/202,239,235).CCLS.	USPAT	2004/04/01 19:04
-	558	((709/202,239,235).CCLS.) and network and traffic	USPAT	2004/04/01 18:41
-	1158	(370/252,253).CCLS.	USPAT	2004/04/01 19:05
-	625	((370/252,253).CCLS.) and network and traffic	USPAT	2004/04/01 19:06